KENWOOD

Listen to the Future

ADVANCED WIRELESS COMMUNICATIONS

TK-2200/3200

Compact VHF/UHF FM Portable Radios

FleetSync® by KENWOOD

GENERAL FEATURES

- 2 W (150-174 MHz) VHF
- 2 W (450-470 MHz) UHF
- 2 & B Channel Models
- Single Priority / Normal Scan
- Transmit / Busy / Call Alert / Scan / Warn LED
- 2 PF Keys
- Super Lock (Manager Key Lock)
- 500 mW Speaker Audio
- Enhanced Kenwood Audio
- Companded Audio
- Voice Annunciation
- VOX Ready
- Voice Inversion Scrambler Built-in
- QT / DQT
- DTMF Encode / Decode[1]
- 8 Call Alerting Tones[2]
- Time Out Timer
- Busy Channel Lockout
- Low Battery Warning
- Battery Saver
- Windows® Programming & Tuning[3]
- Wireless Cloning
- MIL-STD-810 C/D/E/F
- IP-54/55 Water & Dust Intrusion

FleetSync®

- PTT ID Digital ANI
- Selective Call[4]

ACCESSORIES INCLUDED

- KNB-29N Ni-MH Battery
- KSC-31 3-Hour Fast Charger
- KBH-10 Spring Action Belt Clip
- Removable Antenna

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Options

- **KNB-29N** Ni-MH Battery Pack (1,500mAh)
- **KSC-31** Fast Charger (3-Hour)
- **KRA-22** VHF Low Profile Helical Antenna
- **KRA-23** UHF Low Profile Helical Antenna
- **KRA-26** VHF Helical Antenna
- **KRA-27** UHF Whip Antenna
- **KRA-16** VHF Stubby Antenna
- **KRA-17** UHF Stubby Antenna
- **KMC-17** Speaker Microphone
- **KMC-21** Compact Speaker Microphone
- **KEP-2** Earphone Kit for KMC-17/21 (2.5mm plug)
- **KHS-7** Single Muff Headset
- **KHS-7A** Single Muff Headset with In-line PTT
- **KHS-BBL** 2-wire Palm Mic with Earphone (Black)
- **KHS-BBE** 2-wire Palm Mic with Earphone (Beige)
- **KHS-22** Behind-the-head Headset with PTT
- **EMC-3** Clip Microphone with Earphone
- **HMC-3** Headset with PTT Built-In Vox
- **KHS-23** 2-wire Palm Mic
- **KMB-25** Six Unit Charger Adapter (for six KSC-31 chargers; (chargers not included)
- **KBH-10** Belt Clip
- **KWR-1** Water Resistance Bag
- **KLH-126** Nylon Case

All accessories and options may not be available in all markets.
Contact an authorized Kenwood dealer for details and complete list of all accessories and options.

Specifications

Model	TK-2200 VHF	TK-3200 UHF
GENERAL		
Frequency Range	150-174 MHz	450-470 MHz
Number of Channels		
K Type	2	
K2 Type	8	
Channel Spacing		
Wide/Narrow	25, 30kHz/12.5,15kHz	25kHz/12.5kHz
Channel Step	2.5, 5, 6.25, 7.5kHz	5, 6.25kHz
Operating Voltage	7.5V DC±20%	
Battery Life (5-5-90 duty cycle)		
with KNB-29N (1500mAh)	14 hours (Battery Saver Off) 18 hours (Battery Saver On)	
Operating Temperature Range	-22°F ~ +140°F (-30°C ~ +60°C)	
Frequency Stability	±2.5ppm (-22°F ~ +140°F)	
Antenna Impedance	50 Ω	
Channel Frequency Spread	24MHz	20MHz
Dimensions (W x H x D), Projections not Included		
Radio Only	2.13" x 4.8" x 0.83" (54 x 122 x 21.1mm)	
with KNB-29N	2.13" x 4.8" x 1.30" (54 x 122 x 33mm)	
Weight (net)		
Radio Only	5.6oz (160g)	
with KNB-29N	12.7oz (360g)	
FCC ID	ALH36913120	ALH36923130
FCC Compliance	Parts 22/74/90	Parts 90/95

Model	TK-2200 VHF	TK-3200 UHF
RECEIVER (Measurements made per TIA/EIA-603)		
Sensitivity (12dB SINAD)		
Wide/Narrow	0.25µV/0.28µV	
Selectivity		
Wide/Narrow	70dB/60dB	
Intermodulation Distortion		
Wide/Narrow	65dB/60dB	
Spurious Response	65dB	60dB
Audio Output	500mW with less than 10% distortion	
TRANSMITTER (Measurements made per TIA/EIA-603)		
RF Power Output		
High/Low	2W/1W	2W/1W
Spurious Response	65dB	
Modulation		
Wide/Narrow	16KØF3E/11KØF3E	
FM Noise		
Wide/Narrow	45/40dB	
Audio Distortion	Less than 5%	

Kenwood follows a policy of continuous advancement in development.
For this reason specifications may be changed without notice.

FleetSync® is a registered trademark of Kenwood Corporation.
All other trademarks are property of their respective owners.

Applicable MIL-STD & IP

Standard	MIL 810C Methods/Procedures	MIL 810D Methods/Procedures	MIL 810E Methods/Procedures	MIL 810F Methods/Procedures
Low Pressure	500.1/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/Procedure I, II
High Temperature	501.1/Procedure I, II	501.2/Procedure I, II	501.3/Procedure I, II	501.4/Procedure I, II
Low Temperature	502.1/Procedure I	502.2/Procedure I, II	502.3/Procedure I, II	502.4/Procedure I, II
Temperature Shock	503.1/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II
Solar Radiation	505.1/Procedure I	505.2/Procedure I	505.3/Procedure I	505.4/Procedure I
Rain	506.1/Procedure I, II	506.2/Procedure I, II	506.3/Procedure I, II	506.4/Procedure I, III
Humidity	507.1/Procedure I, II	507.2/Procedure II, III	507.3/Procedure II, III	507.4
Salt Fog	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4
Dust	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I	510.4/Procedure I, III
Vibration	514.2/Procedure VIII, X	514.3/Procedure I	514.4/Procedure I	514.5/Procedure I
Shock	516.2/Procedure I, II, V	516.3/Procedure I, IV	516.4/Procedure I, IV	516.5/Procedure I, IV
International Protection Standard				
Dust & Water Protection	IP54/55			

**To meet MIL 810 and IP grade, the 2-pin connector cover has to be connected.*

Footnotes from front:
1. *DTMF Encode: PTT ID, Auto-Dial (8 numbers); DTMF Decode: Code Squelch (3-10 digit), Group Codes A, B, C, D & Wild Card characters) and radio Stun.*
2. *Call Alerting Tones: operates for DTMF & FleetSync selective call decode only (8 factory pre-set ring patterns).*
3. *KPG-88D required: Windows®98/ 2000/ MeXP compatible; programs TK-2200/3200 ProTalk® models.*
4. *ID List capacity: 8 ID's.*

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20809 Kensington Blvd Lakeville,MN 55044 877-202-5060 www.advancedwireless.com

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